

Table H. - Engineering Index Properties

Big Smoky Valley Area, Nevada, Part Of Nye County

Absence of an entry indicates that the data were not estimated.

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
AR: Ardivey	0-3	Very Stony Loam	GC-GM	A-2	5-25	15-30	35-55	30-50	25-40	20-35	20-30	5-10
	3-17	Very Gravelly Clay Loam	GC	A-2	0-5	10-25	35-55	30-45	20-40	15-35	25-40	10-20
		Very Gravelly Loam Very Gravelly Sandy Clay Loam										
	17-60	Extremely Gravelly Loamy Sand	GP GP-GM	A-1	0-10	10-45	15-35	10-30	5-20	0-10	---	NP
Wardenot	0-5	Gravelly Fine Sandy Loam	SM	A-1 A-2 A-4	0	0	60-80	50-75	40-60	20-40	20-25	NP-5
	5-60	Stratified Extremely Cobbly Loamy Sand To Very Gravelly Fine Sandy Loam	GM GP-GM	A-1	0-5	10-40	25-50	20-45	15-40	5-15	---	NP
BA: Badland	0-6	Variable	CH CL MH ML	A-7	0	0	100	100	100	90-100	45-75	20-35
	6-60	Silty Clay Loam Silty Clay Clay	CH CL MH ML	A-7	0	0	100	100	100	90-100	45-75	20-35
Belcher	0-1	Gravelly Sand	SM SP-SM	A-1	0	0	55-80	50-75	35-50	5-15	---	NP
	1-7	Sandy Loam Fine Sandy Loam	SC-SM SM	A-4	0	0	100	100	65-80	35-50	15-25	NP-10
	7-15	Cemented	---	---	---	---	---	---	---	---	---	---
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
BA:	In											
Belted	0-5	Gravelly Loamy Sand	SM	A-1	0	0-10	55-80	50-75	35-50	10-20	---	NP
	5-10	Gravelly Clay Loam	CL	A-2	0	0	65-100	55-100	45-80	25-60	30-40	10-15
		Loam	SC	A-6								
		Sandy Clay Loam										
	10-20	Cemented	---	---	---	---	---	---	---	---	---	---
	20-31	Fine Sandy Loam	SM	A-2	0	0	80-100	75-100	60-75	30-45	15-25	NP-5
		Sandy Loam		A-4								
	31-60	Extremely Gravelly Sand	GP	A-1	0-5	0-15	20-40	15-35	10-20	0-5	---	NP
		Very Gravelly Sand										
BB:												
Badland	---	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	0-2	Variable	CH CL GC MH	A-6 A-7	0-5	0-10	65-100	50-100	40-100	35-100	20-75	10-35
Pintwater	0-3	Very Cobbly Fine Sandy Loam	GM SM	A-1 A-2	0-5	35-45	45-75	40-65	30-50	15-30	20-25	NP-5
	3-17	Very Cobbly Fine Sandy Loam	GM SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
		Extremely Cobbly Fine Sandy Loam										
		Very Stony Fine Sandy										
	17-21	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
BC:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
BC: Basket	In											
	0-4	Very Stony Fine Sandy	SM	A-1	5-25	5-30	60-85	50-75	40-60	20-35	15-25	NP-5
	4-24	Extremely Gravelly Clay Loam Very Gravelly Sandy Loam Very Gravelly Sandy Clay Loam	GC	A-2	0	0-5	25-45	20-40	15-35	10-25	25-35	10-20
	24-60	Stratified Very Gravelly Coarse Sand To Gravelly Loam	GM SM	A-1	0	0-5	40-65	35-60	20-40	10-20	---	NP
Mina	0-8	Extremely Stony Fine Sandy Loam	GC-GM GM SC-SM SM	A-2	25-50	10-30	60-75	55-70	45-60	25-35	20-30	NP-10
	8-60	Very Stony Clay Loam Very Stony Loam Very Stony Fine Sandy	GC GC-GM SC SC-SM	A-2 A-4 A-6	5-25	10-30	60-75	55-70	40-60	30-50	25-35	5-15
BEB: Belcher	0-1	Gravelly Sand	SM SP-SM	A-1	0	0	55-80	50-75	35-50	5-15	---	NP
	1-7	Fine Sandy Loam Sandy Loam	SC-SM SM	A-4	0	0	100	100	65-80	35-50	15-25	NP-10
	7-15	Cemented	---	---	---	---	---	---	---	---	---	---
	15-19	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Playas	---				---	---	---	---	---	---	---	---
BHC:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
BHC: Belted	0-5	Gravelly Loamy Sand	SM	A-1	0	0-10	55-80	50-75	35-50	10-20	---	NP
	5-10	Gravelly Clay Loam	CL	A-2	0	0	65-100	55-100	45-80	25-60	30-40	10-15
		Loam	SC	A-6								
		Sandy Clay Loam										
	10-20	Cemented	---	---	---	---	---	---	---	---	---	---
	20-31	Sandy Loam	SM	A-2	0	0	80-100	75-100	60-75	30-45	15-25	NP-5
		Fine Sandy Loam		A-4								
	31-60	Very Gravelly Sand	GP	A-1	0-5	0-15	20-40	15-35	10-20	0-5	---	NP
		Extremely Gravelly Sand										
BLC: Bluewing	0-8	Very Gravelly Sand	GM GP-GM	A-1	0	0-15	35-60	30-50	15-35	5-15	---	NP
			SM									
	8-60	Stratified Extremely Gravelly Coarse Sand To Gravelly Loamy Coarse Sand	SP-SM GP GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
BMB: Bluewing	0-8	Gravelly Loamy Sand	SM	A-1	0	0-15	70-80	65-75	35-45	10-20	---	NP
	8-60	Stratified Extremely Gravelly Coarse Sand To Gravelly Loamy Coarse Sand	GP GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
BNC: Bluewing	0-3	Very Stony Loamy Sand	GP-GM	A-1	5-25	10-15	30-40	25-35	15-25	5-10	---	NP
	3-60	Stratified Extremely Gravelly Coarse Sand To Gravelly Loamy Coarse Sand	GP GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
BOB:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
BOB: Bluewing	0-8	Gravelly Loam	GM	A-2	0	0-5	60-80	55-75	35-65	30-50	15-25	NP-5
	8-60	Stratified Extremely Gravelly Coarse Sand To Gravelly Loamy Coarse Sand	SM GP GP-GM	A-4 A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
BPB: Broe	0-2	Gravelly Fine Sand	SM	A-1	0	0-5	60-80	55-75	45-65	10-20	---	NP
	2-24	Gravelly Sandy Loam Sandy Loam	SM	A-2 A-4	0	0-10	65-95	60-90	50-75	20-50	---	NP
	24-60	Fine Sandy Loam Sand Fine Sand Loamy Fine Sand	SM	A-2	0	0-5	80-100	75-100	50-65	10-30	---	NP
BrA: Broyles	0-13	Fine Sandy Loam	SM	A-4	0	0	100	95-100	65-75	40-50	---	NP
	13-60	Stratified Gravelly Loamy Sand To Loam	SM	A-2	0	0	70-100	60-95	30-40	25-35	---	NP
BrB: Broyles	0-13	Fine Sandy Loam	SM	A-4	0	0	100	95-100	65-75	40-50	---	NP
	13-60	Stratified Gravelly Loamy Sand To Loam	SM	A-2	0	0	70-100	60-95	30-40	25-35	---	NP
Bt: Broyles	0-13	Fine Sandy Loam	SM	A-4	0	0	100	95-100	65-75	40-50	---	NP
	13-60	Stratified Gravelly Loamy Sand To Loam	SM	A-2	0	0	70-100	60-95	30-40	25-35	---	NP

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
Bt: Laxal	0-10	Gravelly Fine Sandy Loam	GM SM	A-1 A-2	0	0-10	60-80	50-75	40-60	20-35	15-25	NP-5
	10-60	Stratified Very Gravelly Loamy Coarse Sand To Very Gravelly Sandy Loam	GM	A-1	0-5	0-15	35-45	30-40	15-25	10-15	---	NP
Cf: Caudle	0-3	Fine Sandy Loam	SM	A-4	0	0	100	95-100	70-80	35-50	25-30	NP-5
	3-14	Clay Loam	CL	A-6	0	0	100	95-100	80-95	55-80	30-50	10-25
	14-60	Loam	CL	A-7	0	0	80-90	75-85	65-80	50-65	25-45	5-20
		Clay Loam	CL-ML	A-6								
Cg: Caudle	0-3	Fine Sandy Loam	SM	A-4	0	0	100	95-100	70-80	35-50	25-30	NP-5
	3-12	Loam	CL	A-6	0	0	100	95-100	80-95	55-80	30-50	10-25
	12-28	Clay Loam	CL	A-7	0	0	80-90	75-85	65-80	50-65	25-45	5-20
		Loam		A-4								
	28-52	Clay Loam	CL-ML	A-6	0	0	100	95-100	50-90	35-60	25-35	5-10
		Sandy Loam Loam	CL-ML ML SC-SM SM	A-7 A-4								
Ch:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
			In									
Ch: Charnock	0-5	Fine Sandy Loam	CL-ML ML SC-SM SM	A-4	0	0	100	95-100	80-95	45-60	20-30	NP-10
	5-19	Loam	ML	A-4 A-6	0	0	100	95-100	85-95	60-75	30-40	5-15
	19-27	Stratified Sandy Loam To Clay Loam	ML	A-4 A-6	0	0	100	95-100	85-95	60-75	30-40	5-15
	27-60	Stratified Sandy Loam To Clay Loam	ML	A-4 A-6	0	0	100	95-100	85-95	60-75	30-40	5-15
Playas	---				---	---	---	---	---	---	---	---
Ck: Charnock	0-5	Clay Loam	CL ML	A-6 A-7	0	0	100	100	85-95	60-80	35-45	10-20
	5-19	Loam	CL ML	A-4 A-6	0	0	100	100	85-95	60-75	30-40	5-15
	19-27	Stratified Sandy Loam To Clay Loam	CL ML	A-4 A-6	0	0	100	100	85-95	60-75	30-40	5-15
	27-60	Stratified Sandy Loam To Clay Loam	CL ML	A-4 A-6	0	0	100	100	85-95	60-75	30-40	5-15
Playas	---				---	---	---	---	---	---	---	---
Cm:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
Cm: Charnock	0-5	Fine Sandy Loam	CL-ML ML SC-SM SM	A-4	0	0	100	95-100	80-95	45-60	20-30	NP-10
	5-19	Loam	ML	A-4 A-6	0	0	100	95-100	85-95	60-75	30-40	5-15
	19-27	Stratified Sandy Loam To Clay Loam	ML	A-4 A-6	0	0	100	95-100	85-95	60-75	30-40	5-15
	27-60	Stratified Sandy Loam To Clay Loam	ML	A-4 A-6	0	0	100	95-100	85-95	60-75	30-40	5-15
Charnock	0-5	Clay Loam	CL ML	A-6 A-7	0	0	100	100	85-95	60-80	35-45	10-20
	5-19	Loam	CL ML	A-4 A-6	0	0	100	100	85-95	60-75	30-40	5-15
	19-27	Stratified Sandy Loam To Clay Loam	CL ML	A-4 A-6	0	0	100	100	85-95	60-75	30-40	5-15
	27-60	Stratified Sandy Loam To Clay Loam	CL ML	A-4 A-6	0	0	100	100	85-95	60-75	30-40	5-15
Playas	---				---	---	---	---	---	---	---	---
DEC: Deerlodge Variant	0-3	Stony Loam	GC GC-GM SC SC-SM	A-4 A-6	1-5	5-15	60-80	55-75	40-65	35-50	20-30	5-15
	3-24	Very Gravelly Clay Loam	GC	A-2	0-5	5-15	35-55	30-45	25-40	20-35	35-45	15-20
	24-60	Cemented	---	---	---	---	---	---	---	---	---	---
DN:												

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
DN: Dobel	In											
	0-4	Very Gravelly Sandy Loam	GM	A-1	0	5-10	45-65	35-50	25-40	15-30	15-25	NP-5
	4-8	Loam Gravelly Clay Loam Gravelly Sandy Clay Loam	CL SC	A-2 A-6	0	0-5	65-95	55-90	45-70	30-55	30-40	10-15
	8-60	Cemented	---	---	---	---	---	---	---	---	---	---
Bluewing	0-3	Stony Loamy Coarse Sand	GP-GM	A-1	1-5	5-10	30-40	25-35	15-25	5-10	---	NP
	3-60	Stratified Extremely Gravelly Coarse Sand To Gravelly Loamy Coarse Sand	GP GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
Do: Domez	0-6	Sand	SM	A-2	0	0	100	90-100	60-70	20-30	0-14	NP
	6-60	Stratified Fine Sandy Loam To Silty Clay Loam	CL	A-6	0	0	100	90-100	80-90	55-70	30-35	10-15
Dr: Domez	0-6	Fine Sandy Loam	ML SM	A-4	0	0	100	90-100	70-80	45-55	0-14	NP
	6-60	Stratified Fine Sandy Loam To Silty Clay Loam	CL	A-6	0	0	100	90-100	80-90	55-70	30-35	10-15
Ds: Domez	0-6	Fine Sandy Loam	ML SM	A-4	0	0	100	90-100	70-80	45-55	0-14	NP
	6-60	Stratified Fine Sandy Loam To Silty Clay Loam	CL	A-6	0	0	100	90-100	80-90	55-70	30-35	10-15

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
Ds: Playas	In											
	0-6	Silty Clay Loam	ML	A-6 A-7	0	0	100	100	100	90-100	35-50	10-20
	6-60	Clay Silty Clay Silty Clay Loam	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
DU: Duneland												
	0-6	Fine Sand	SM SP	A-2 A-3	0	0	100	100	60-80	0-25	0-14	NP
	6-60	Fine Sand Sand	SP-SM SM SP SP-SM	A-2 A-3	0	0	100	100	50-80	0-25	0-14	NP
Fa: Fivemile												
	0-5	Loam	CL	A-4	0	0	100	100	90-100	75-90	25-35	5-15
	5-60	Stratified Silt Loam To Silty Clay Loam	CL-ML CL	A-6 A-6 A-7	0	0	95-100	90-100	90-100	85-95	30-45	15-30
Fb: Fivemile												
	0-4	Silty Clay Loam	CL ML	A-6 A-7	0	0	100	100	100	80-95	35-50	10-25
	4-60	Stratified Silt Loam To Silty Clay	CL ML	A-6 A-7	0	0	100	100	95-100	85-95	35-45	10-20
Fivemile												
	0-9	Loamy Fine Sand	SM	A-2 A-4	0	0	100	100	95-100	30-45	---	NP
	9-60	Stratified Silt Loam To Silty Clay	CL ML	A-6 A-7	0	0	100	100	95-100	85-95	35-45	10-20
GA:												

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
GA: Gabbs	In											
	0-3	Extremely Cobbly Very Fine Sandy Loam	GM	A-1 A-2	0	50-75	40-60	35-55	30-50	15-30	0-14	NP
	3-8	Gravelly Fine Sandy Loam	SM	A-2	0	0-10	60-80	55-75	50-70	20-35	0-14	NP
	8-20	Very Gravelly Fine Sandy Loam	GM	A-1 A-2	0	5-45	35-65	30-60	25-55	15-35	15-25	NP-5
	20-32	Very Cobbly Loam Indurated	---	---	---	---	---	---	---	---	---	---
Old Camp	0-1	Very Gravelly Fine Sandy Loam	GC-GM	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Very Gravelly Loam Very Gravelly Clay Loam Extremely Gravelly Loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
Gr: Griffy	0-4	Loamy Sand	SM	A-1 A-2	0	0	80-100	80-100	45-65	15-25	0-14	NP
	4-12	Sandy Clay Loam	CL SC	A-6	0	0	90-95	85-95	65-80	40-55	30-40	10-20
	12-60	Gravelly Sandy Loam	SC-SM SM	A-2 A-4	0	0	75-85	65-75	50-65	30-45	20-30	NP-10
Gs:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
Gs: Griffy	0-8	Gravelly Loam	GC	A-2	0	0	60-80	50-75	35-60	30-50	25-35	5-15
			GC-GM	A-4								
			SC	A-6								
	8-14	Sandy Clay Loam	SC-SM	CL	0	0	90-95	85-95	65-80	40-55	30-40	10-20
			SC									
	14-60	Gravelly Sandy Loam	SC-SM	A-2	0	0	75-85	65-75	50-65	30-45	20-30	NP-10
			SM	A-4								
JO: Jolan	0-2	Gravelly Loamy Coarse	SM	A-1	0	0	70-80	60-75	25-40	15-25	0-14	NP
	2-20	Very Fine Sandy Loam	ML	A-2	0	0	75-100	75-100	55-90	25-65	15-25	NP-5
		Sandy Loam	SM	A-4								
	20-36	Fine Sandy Loam Indurated	---	---	---	---	---	---	---	---	---	---
KoA: Koyen	0-4	Sand	SM	A-1	0	0	90-100	75-100	40-60	5-15	---	NP
			SP-SM	A-2								
				A-3								
	4-14	Sandy Loam	SM	A-4	0	0	90-95	85-95	50-75	35-50	15-25	NP-5
	14-60	Stratified Gravelly Loamy Sand To Loam	SM	A-2	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
				A-4								
KrB: Koyen	0-4	Fine Sandy Loam	SM	A-4	0	0	90-100	85-100	75-90	35-50	15-25	NP-5
	4-14	Sandy Loam	SM	A-4	0	0	90-95	85-95	50-75	35-50	15-25	NP-5
	14-60	Stratified Gravelly Loamy Sand To Loam	SM	A-2	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
				A-4								

KsA:

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
KsA: Koyen	0-4	Gravelly Fine Sandy Loam	SM	A-2 A-4	0	0	65-90	50-75	40-65	25-40	15-25	NP-5
	4-60	Stratified Gravelly Loamy Sand To Loam	SM	A-2 A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
KT: Kyler	0-2	Very Gravelly Very Fine Sandy Loam	GC-GM GM	A-1 A-2	0-5	20-30	40-65	35-60	30-55	20-30	15-25	NP-10
	2-7	Very Cobbly Loam Very Gravelly Loam	GC-GM GM SC-SM SM	A-2 A-4	0-10	15-40	55-70	50-65	40-60	25-40	15-25	NP-10
	7-11	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
La: Lahontan	0-3	Silty Clay Loam	CL	A-7	0	0	100	100	95-100	80-85	40-50	15-25
	3-60	Stratified Silty Clay Loam To Clay	CH CL	A-7	0	0	100	100	95-100	80-95	45-65	20-35
Lb: Lahontan	0-3	Clay Loam	CL	A-7	0	0	100	100	70-80	65-75	40-50	15-25
	3-60	Stratified Silty Clay Loam To Clay	CH CL	A-7	0	0	100	100	90-100	80-95	45-65	20-35
Playas	---				---	---	---	---	---	---	---	---
LCB:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
LCB: Lathrop	In											
	0-3	Gravelly Loamy Sand	SM	A-1	0	0-10	60-85	50-75	30-50	10-20	---	NP
	3-13	Loam	CL	A-6	0	0-15	60-95	55-85	50-75	35-55	30-40	10-15
		Clay Loam	GC									
		Gravelly Sandy Clay Loam	SC									
	13-32	Extremely Cobbly Loamy Sand	GP	A-1	0-5	15-65	15-60	10-40	5-30	0-10	---	NP
		Very Cobbly Sand	GP-GM									
		Very Gravelly Loamy Coarse Sand	SP									
			SP-SM									
	32-60	Very Gravelly Loamy Coarse Sand	GP	A-1	0-5	15-65	15-60	10-40	5-25	0-10	---	NP
		Very Cobbly Sand	GP-GM									
		Extremely Cobbly Sand	SP									
			SP-SM									
LF: Lathrop	0-3	Gravelly Loam	GC-GM	A-2	0	0-10	60-85	50-75	40-60	30-50	20-30	NP-10
			GM	A-4								
			SC-SM									
	3-13	Gravelly Sandy Clay Loam	SM									
		Loam	CL	A-6	0	0-15	60-95	55-85	50-75	35-55	30-40	10-15
		Clay Loam	GC									
			SC									
	13-32	Very Cobbly Sand	GP	A-1	0-5	15-65	15-60	10-40	5-30	0-10	---	NP
		Extremely Cobbly Loamy Sand	GP-GM									
		Very Gravelly Loamy Coarse Sand	SP									
			SP-SM									
	32-60	Very Cobbly Sand	GP	A-1	0-5	15-65	15-60	10-40	5-25	0-10	---	NP
		Extremely Cobbly Sand	GP-GM									
		Very Gravelly Loamy Coarse Sand	SP									
			SP-SM									

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
LF: Bluewing	0-3	Stony Loamy Coarse Sand	GP-GM	A-1	1-5	5-10	30-40	25-35	15-25	5-10	---	NP
	3-60	Stratified Extremely Gravelly Coarse Sand To Gravelly Loamy Coarse Sand	GP GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
LmA: Laxal	0-10	Gravelly Fine Sandy Loam	GM SM	A-1 A-2	0	0-10	60-80	50-75	40-60	20-35	15-25	NP-5
	10-60	Stratified Very Gravelly Loamy Coarse Sand To Very Gravelly Sandy Loam	GM	A-1	0-5	0-15	35-45	30-40	15-25	10-15	---	NP
LnA: Laxal	0-10	Gravelly Fine Sandy Loam	GM SM	A-2 A-4	0	0-5	60-80	50-75	45-65	25-40	20-25	NP-5
	10-60	Stratified Very Gravelly Sand To Gravelly Loam	GM GP-GM	A-1	0	0-10	35-55	30-50	20-40	5-15	0-14	NP
LS: Laxal	0-10	Gravelly Loam	GM	A-2 A-4	0	0-5	60-70	50-60	40-50	25-40	20-30	NP-5
	10-60	Stratified Very Gravelly Loamy Coarse Sand To Very Gravelly Sandy Loam	GM	A-1	0-5	0-15	35-45	30-40	15-25	10-15	---	NP
Rock Outcrop	---				---	---	---	---	---	---	---	---
LTC: Lyda	0-4	Very Gravelly Fine Sandy Loam	GM	A-1	0	5-20	35-60	30-55	25-45	10-25	15-25	NP-5
	4-12	Very Gravelly Sandy Clay Loam	GC	A-2	0	10-25	50-60	45-55	30-45	20-35	35-40	15-20
	12-14	Very Gravelly Clay Loam Indurated	---	---	---	---	---	---	---	---	---	---

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
LTC:	In											
MA:												
Maggie	0-3	Very Gravelly Loam	GC-GM	A-1	0	0-10	30-55	25-50	20-35	15-30	20-30	NP-10
	3-8	Very Gravelly Loam Very Gravelly Sandy Clay Loam Very Gravelly Fine Sandy Loam	GM GC	A-2 A-2	0	0	30-55	25-45	20-40	15-35	25-35	10-15
	8-14	Very Gravelly Loamy Sand Very Gravelly Sandy Loam	GC-GM GM GP-GC GP-GM	A-1 A-2	0	0	30-55	25-50	15-35	5-20	20-30	NP-10
	14-26	Indurated	---	---	---	---	---	---	---	---	---	---
	26-30	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Pintwater	0-3	Very Cobbly Fine Sandy Loam	GM SM	A-1 A-2	0-10	35-45	45-75	40-65	30-50	15-30	20-25	NP-5
	3-17	Very Stony Fine Sandy Very Cobbly Fine Sandy Loam Extremely Cobbly Fine Sandy Loam	GM SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
	17-21	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
MB:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
MB: Malpais	0-3	Stony Fine Sandy Loam	GM	A-1	1-5	10-20	40-50	35-45	25-35	15-25	15-25	NP-5
	3-17	Very Cobbly Fine Sandy Loam	GM	A-1	5-40	15-50	30-40	25-35	20-30	10-20	20-30	NP-5
		Very Gravelly Loam										
	17-60	Very Stony Sandy Loam Very Cobbly Fine Sandy Loam Very Stony Loam Extremely Cobbly Sandy Loam	GM	A-1 A-2	5-40	15-50	45-55	35-50	25-45	20-30	20-30	NP-5
Rock Outcrop	---				---	---	---	---	---	---	---	---
McA: Mazuma	0-3	Fine Sandy Loam	SM	A-2 A-4	0	0	95-100	85-100	70-85	30-50	20-25	NP-5
	3-60	Stratified Gravelly Coarse Sand To Silt Loam	SM	A-4	0	0	95-100	75-100	70-90	35-50	20-25	NP-5
McA3: Mazuma	0-8	Fine Sandy Loam	SM	A-2 A-4	0	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified Gravelly Coarse Sand To Silt Loam	SM	A-4	0	0	95-100	75-100	70-90	35-50	20-25	NP-5
MdA: Mazuma	0-8	Fine Sandy Loam	SM	A-2 A-4	0	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified Gravelly Coarse Sand To Silt Loam	SM	A-4	0	0	95-100	80-100	70-90	35-50	20-25	NP-5
MeB:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
MeB: Mazuma	0-8	Very Fine Sandy Loam	ML	A-4	0	0	100	100	90-100	70-80	20-25	NP-5
	8-30	Fine Sandy Loam	SM	A-2	0	0	100	100	90-100	30-50	20-25	NP-5
		Sandy Loam		A-4								
	30-60	Stratified Gravelly Coarse Sand To Silt Loam	ML SM	A-2 A-4	0	0	75-100	70-85	50-75	25-55	20-25	NP-5
Mf: Mazuma	0-8	Fine Sandy Loam	SM	A-2 A-4	0	0	95-100	85-100	70-85	30-50	20-25	NP-5
	8-60	Stratified Gravelly Coarse Sand To Silt Loam	SM	A-4	0	0	95-100	75-100	70-90	35-50	20-25	NP-5
Mazuma	0-8	Loamy Fine Sand	SM	A-2 A-4	0	0	95-100	85-100	75-95	30-40	---	NP
	8-30	Fine Sandy Loam	SM	A-2 A-4	0	0	100	100	90-100	30-50	20-25	NP-5
		Sandy Loam		A-4								
	30-60	Stratified Gravelly Coarse Sand To Silt Loam	ML SM	A-2 A-4	0	0	75-100	70-85	50-75	25-55	20-25	NP-5
Playas	---				---	---	---	---	---	---	---	---
MG: Mine Dumps	---				---	---	---	---	---	---	---	---
MO: Monte Cristo	0-4	Loam	CL CL-ML	A-4 A-6	0	0	95-100	85-95	65-80	50-70	20-35	5-15
	4-10	Sandy Clay Loam	CL	A-6 A-7	0	0	95-100	85-95	75-85	55-65	35-45	15-20
	10-17	Cemented	---	---	---	---	---	---	---	---	---	---
	17-60	Stratified Very Gravelly Sand To Clay Loam	SM	A-2 A-4	0	0	70-95	65-90	50-75	20-40	---	NP

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
MO:	In											
Playas	0-6	Silty Clay Loam	ML	A-6 A-7	0	0	100	100	100	90-100	35-50	10-20
	6-60	Silty Clay Clay Silty Clay Loam	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
No:												
Noyson	0-6	Sand	SM SP-SM	A-1 A-2 A-3	0	0	85-100	80-100	40-70	5-15	---	NP
	6-31	Stratified Gravelly Sand To Sandy Loam	SM	A-1 A-2	0	0-5	70-100	60-90	35-60	15-25	20-25	NP-5
	31-46	Cemented	---	---	---	---	---	---	---	---	---	---
Np:												
Noyson	0-4	Gravelly Sandy Loam	SM	A-1 A-2	0	0-5	60-85	50-75	30-50	15-30	20-25	NP-5
	4-31	Stratified Gravelly Sand To Sandy Loam	SM	A-1 A-2	0	0-5	70-100	60-90	35-60	15-25	20-25	NP-5
	31-46	Cemented	---	---	---	---	---	---	---	---	---	---
Ny:												
Nyserva	0-2	Loam	ML	A-4	0	0	100	100	75-95	60-80	20-25	NP-5
	2-7	Clay Loam	CL	A-6	0	0	100	100	65-80	55-70	25-35	10-15
	7-60	Stratified Gravelly Sand To Clay Loam	CL-ML SC-SM	A-4	0	0	75-100	70-100	65-85	35-55	20-30	5-10
Tipperary	0-6	Fine Sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
	6-60	Fine Sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
OA: Old Camp	In											
	0-6	Very Gravelly Fine Sandy Loam	GC-GM	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	6-10	Very Gravelly Loam Very Gravelly Clay Loam Extremely Gravelly Loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	10-14	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Mina	0-8	Extremely Stony Fine Sandy Loam	GC-GM GM SC-SM SM	A-2	25-50	10-30	60-75	55-70	45-60	25-35	20-30	NP-10
	8-60	Very Stony Loam Very Stony Fine Sandy Very Stony Clay Loam	GC GC-GM SC SC-SM	A-2 A-4 A-6	5-25	10-30	60-75	55-70	40-60	30-50	25-35	5-15
OB: Old Camp	0-1	Very Gravelly Fine Sandy Loam	GC-GM	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Very Gravelly Loam Very Gravelly Clay Loam Extremely Gravelly Loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Osobb	0-4	Gravelly Fine Sandy Loam	SM	A-4	0	0-10	70-80	60-75	45-60	35-50	20-25	NP-5
	4-14	Very Gravelly Loam Extremely Gravelly Loam Very Cobbly Loam	GM	A-1 A-2 A-4	0-10	0-60	25-70	20-65	15-60	10-45	20-25	NP-5
	14-15	Indurated	---	---	---	---	---	---	---	---	---	---
	15-19	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
OC:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
OC: Old Camp	In											
	0-1	Very Gravelly Fine Sandy Loam	GC-GM	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Very Gravelly Loam Very Gravelly Clay Loam Extremely Gravelly Loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Pintwater	0-3	Very Cobbly Fine Sandy Loam	GM SM	A-1 A-2	0-5	35-45	45-75	40-65	30-50	15-30	20-25	NP-5
	3-17	Extremely Cobbly Fine Sandy Loam Very Stony Fine Sandy Very Cobbly Fine Sandy Loam	GM SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
	17-21	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
OD: Old Camp	0-1	Very Gravelly Fine Sandy Loam	GC-GM	A-2	0	0-10	35-55	30-45	20-35	10-20	20-25	5-10
	1-4	Very Gravelly Loam Very Gravelly Clay Loam Extremely Gravelly Loam	GC	A-2	0-10	0-25	20-55	15-45	10-35	10-30	30-40	10-20
	4-8	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
Pintwater	0-3	Very Cobbly Fine Sandy Loam	GM SM	A-1 A-2	0-5	35-45	45-75	40-65	30-50	15-30	20-25	NP-5
	3-17	Very Stony Fine Sandy Very Cobbly Fine Sandy Loam Extremely Cobbly Fine Sandy Loam	GM SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
	17-21	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
OD:												
Oe: Orizaba	0-9	Loam	CL	A-4	0	0	100	100	85-95	65-75	25-35	5-15
	9-60	Stratified Sand To Silty Clay Loam	CL-ML CL	A-6 A-6	0	0	100	95-100	85-95	70-85	35-40	15-20
Of: Orizaba	0-9	Loam	CL	A-4	0	0	100	100	85-95	65-75	25-35	5-15
	9-60	Stratified Sand To Silty Clay Loam	CL-ML CL	A-6 A-6	0	0	100	95-100	75-90	50-80	30-40	10-20
Og: Orizaba	0-9	Loam	CL	A-4	0	0	100	100	85-95	65-75	25-35	5-15
	9-60	Stratified Sand To Silty Clay Loam	CL-ML CL	A-6 A-6	0	0	100	95-100	75-90	50-80	30-40	10-20
Oh: Orizaba	0-9	Loam	CL	A-4	0	0	100	100	85-95	65-75	25-35	5-15
	9-60	Stratified Sand To Silty Clay Loam	CL-ML CL	A-6 A-6	0	0	100	95-100	75-90	50-80	30-40	10-20
OnA: Orovada	0-8	Fine Sandy Loam	SM	A-2 A-4	0	0	95-100	90-100	75-95	30-50	---	NP
	8-26	Loam Fine Sandy Loam	ML SM	A-4	0	0	75-100	75-95	60-80	40-60	20-30	NP-5
	26-61	Stratified Fine Sandy Loam To Silt Loam	ML SM	A-4	0	0	75-100	75-95	60-85	35-55	20-30	NP-5

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
OpB: Orovada	In											
	0-6	Gravelly Fine Sandy Loam	GM SM	A-2 A-4	0	0	60-80	55-75	50-70	25-40	0-14	NP
	6-15	Very Fine Sandy Loam	ML SM	A-4	0	0	75-100	75-95	60-85	40-70	20-30	NP-5
	15-60	Fine Sandy Loam Stratified Fine Sandy Loam To Silt Loam	ML SM	A-4	0	0	75-100	75-95	60-85	35-55	20-30	NP-5
OR: Orphant	0-2	Fine Sand	SM SP-SM	A-2 A-3	0	0	95-100	90-100	55-75	5-15	0-14	NP
	2-15	Sandy Clay Loam	SC	A-2 A-6	0	0-10	65-100	60-100	40-65	20-40	25-35	10-15
	15-55	Gravelly Fine Sandy Loam Cemented	---	---	---	---	---	---	---	---	---	---
OS: Orphant	0-4	Very Gravelly Fine Sandy Loam	GM	A-1	0	0	30-55	25-50	20-40	10-25	15-25	NP-5
	4-15	Loam Sandy Clay Loam	SC	A-2 A-6	0	0-10	65-100	60-100	40-65	20-40	25-35	10-15
	15-55	Gravelly Fine Sandy Loam Cemented	---	---	---	---	---	---	---	---	---	---
Bluewing	0-3	Stony Loamy Coarse Sand	GP-GM	A-1	1-5	5-10	30-40	25-35	15-25	5-10	---	NP
	3-60	Stratified Extremely Gravelly Coarse Sand To Gravelly Loamy Coarse Sand	GP GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
OT:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
OT: Osobb	In											
	0-2	Gravelly Fine Sandy Loam	SM	A-4	0	0-10	70-80	60-75	45-60	35-50	20-25	NP-5
	2-8	Very Gravelly Loam	GM	A-1	0-10	0-60	25-70	20-65	15-60	10-45	20-25	NP-5
		Extremely Gravelly Loam		A-2								
		Very Cobbly Loam		A-4								
	8-10	Indurated	---	---	---	---	---	---	---	---	---	---
	10-14	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Gabbs	0-3	Very Cobbly Very Fine Sandy Loam	GM	A-1 A-2	0	30-50	40-60	35-55	30-50	15-30	0-14	NP
	3-8	Gravelly Fine Sandy Loam	SM	A-2	0	0-10	60-80	55-75	50-70	20-35	0-14	NP
	8-20	Very Cobbly Loam	GM	A-1	0	5-45	35-65	30-60	25-55	15-35	15-25	NP-5
		Very Gravelly Fine Sandy Loam		A-2								
	20-32	Indurated	---	---	---	---	---	---	---	---	---	---
PA: Parran	0-5	Silty Clay Loam	CL MH ML	A-7	0	0	100	100	95-100	90-100	40-55	15-25
	5-60	Clay Silty Clay Silty Clay Loam	MH	A-7	0	0	100	100	95-100	85-100	50-75	20-40
PD: Penelas Variant	0-9	Very Cobbly Loam	GC-GM SC-SM	A-4	0-1	30-45	65-75	60-70	50-60	35-40	20-30	5-10
	9-17	Extremely Channery Loam	GC-GM	A-2	0-5	30-50	40-65	35-60	25-55	20-40	20-30	5-10
		Very Channery Very Fine Sandy Loam		A-4								
		Very Channery Loam										
	17-18	Indurated	---	---	---	---	---	---	---	---	---	---
	18-22	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
PD: Penelas	In											
	0-2	Very Channery Loam	GC-GM	A-1	0	0-5	30-55	25-50	20-40	15-35	20-30	NP-10
	2-5	Extremely Channery Clay Loam	GM	A-2	0	0-5	15-30	10-25	5-25	5-25	35-45	15-20
		Extremely Channery Silty Clay Loam	GC	A-2	0	0-5	15-30	10-25	5-25	5-25	35-45	15-20
	5-9	Weathered Bedrock	GP-GC									
PE: Penelas	0-2	Very Channery Loam	---	---	---	---	---	---	---	---	---	---
	2-5	Extremely Channery Clay Loam	GC-GM	A-1	0	0-5	30-55	25-50	20-40	15-35	20-30	NP-10
		Extremely Channery Silty Clay Loam	GM	A-2	0	0-5	15-30	10-25	5-25	5-25	35-45	15-20
	5-9	Weathered Bedrock	GC	A-2	0	0-5	15-30	10-25	5-25	5-25	35-45	15-20
Kyler	0-3	Very Gravelly Very Fine Sandy Loam	GP-GC									
	3-7	Very Gravelly Loam	---	---	---	---	---	---	---	---	---	---
		Very Cobbly Loam	GC-GM	A-1	0-5	20-30	40-65	35-60	30-55	20-30	15-25	NP-10
			GM	A-2	0-10	15-40	55-70	50-65	40-60	25-40	15-25	NP-10
	7-11	Unweathered Bedrock	GC-GM	A-2	0-10	15-40	55-70	50-65	40-60	25-40	15-25	NP-10
			GM	A-4								
			SC-SM									
			SM									
PF:			---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
PF: Penelas	In											
	0-2	Gravelly Loam	GC-GM GM SC-SM SM	A-2 A-4	0	0-5	55-80	50-75	40-60	30-50	20-30	NP-10
	2-5	Extremely Channery Silty Clay Loam Extremely Channery Clay Loam	GC GP-GC	A-2	0	0-5	15-30	10-25	5-25	5-25	35-45	15-20
	5-9	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Laxal	0-10	Gravelly Loam	GM	A-2 A-4	0	0-5	60-70	50-60	40-50	25-40	20-30	NP-5
	10-60	Stratified Very Gravelly Loamy Coarse Sand To Very Gravelly Sandy Loam	GM	A-1	0-5	0-15	35-45	30-40	15-25	10-15	---	NP
PG: Penelas	0-2	Very Channery Loam	GC-GM GM	A-1 A-2	0	0-5	30-55	25-50	20-40	15-35	20-30	NP-10
	2-5	Extremely Channery Clay Loam Extremely Channery Silty Clay Loam	GC GP-GC	A-2	0	0-5	15-30	10-25	5-25	5-25	35-45	15-20
	5-9	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
	---				---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
PH:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
PH: Pintwater	In											
	0-4	Very Gravelly Fine Sandy Loam	GM	A-1	0-5	0-10	35-60	30-50	20-40	10-25	20-25	NP-5
	4-20	Extremely Gravelly Sandy Loam	GM	A-1	5-15	30-45	35-60	30-50	15-35	10-20	20-25	NP-5
	20-24	Very Cobbly Sandy Loam Very Stony Fine Sandy Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Bluewing	0-3	Stony Loamy Coarse Sand	GP-GM	A-1	1-5	5-10	30-40	25-35	15-25	5-10	---	NP
	3-60	Stratified Extremely Gravelly Coarse Sand To Gravelly Loamy Coarse Sand	GP GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
PK: Pintwater	0-3	Very Cobbly Fine Sandy Loam	GM SM	A-1 A-2	0-5	35-45	45-75	40-65	30-50	15-30	20-25	NP-5
	3-17	Very Stony Fine Sandy Very Cobbly Fine Sandy Loam Extremely Cobbly Fine Sandy Loam	GM SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
	17-21	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
	---				---	---	---	---	---	---	---	---
Rock Outcrop	---											
PM: Pintwater	0-3	Very Stony Fine Sandy	GM SM	A-1 A-2	5-25	10-30	45-75	40-65	30-50	15-30	20-25	NP-5
	3-17	Extremely Cobbly Fine Sandy Loam Very Stony Fine Sandy Very Cobbly Fine Sandy Loam	GM SM	A-1	0-20	10-55	30-60	25-50	15-35	10-20	20-25	NP-5
	17-21	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
PM:	In											
Rock Outcrop	---				---	---	---	---	---	---	---	---
PN:												
Playas	0-6	Silty Clay	MH	A-7	0	0	100	100	100	90-100	50-80	20-40
	6-60	Clay Silty Clay Loam Silty Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
PO:												
Playas	0-6	Silty Clay Loam	ML	A-6 A-7	0	0	100	100	100	90-100	35-50	10-20
	6-60	Silty Clay Clay Silty Clay Loam	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
Parran	0-18	Silty Clay Loam	CL MH ML	A-7	0	0	100	100	95-100	90-100	40-55	15-25
	18-60	Silty Clay Loam Clay Silty Clay	MH	A-7	0	0	100	100	95-100	85-100	50-75	20-40
PR:												
Pumel	0-2	Gravelly Sandy Loam	SM	A-1 A-2	0	0-15	65-90	50-70	35-55	15-25	20-25	NP-5
	2-5	Very Gravelly Coarse Sandy Loam Extremely Gravelly Sandy Loam	GM SM	A-1	0-5	10-25	40-70	25-50	10-35	10-15	20-25	NP-5
	5-9	Weathered Bedrock	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
PR:	In											
QrA:												
Quima	0-5	Coarse Sandy Loam	SM	A-2	0	0-5	85-95	75-90	40-50	25-35	0-14	NP
	5-60	Coarse Sandy Loam	SM	A-2	0	0-5	85-95	75-90	40-50	25-35	0-14	NP
QsB:												
Quima	0-5	Fine Sandy Loam	SM	A-2	0	0-5	85-95	75-90	55-70	25-40	0-14	NP
	5-60	Coarse Sandy Loam	SM	A-4	0	0-5	85-95	75-90	40-50	25-35	0-14	NP
RO:												
Roic	0-2	Very Gravelly Fine Sandy Loam	GM	A-1	0	0-5	40-60	30-50	20-40	15-30	20-25	NP-5
	2-5	Loam	CL-ML	A-2	0	0	90-100	80-100	70-90	35-70	20-30	NP-10
		Fine Sandy Loam	ML	A-4								
		Very Fine Sandy Loam	SC-SM									
	5-9	Weathered Bedrock	SM									
			---	---	---	---	---	---	---	---	---	---
Dobel	0-4	Very Gravelly Fine Sandy Loam	GM	A-1	0	5-10	45-65	35-50	25-45	10-25	15-25	NP-5
	4-8	Loam	SM									
		Gravelly Clay Loam	CL	A-2	0	0-5	65-95	55-90	45-70	30-55	30-40	10-15
		Gravelly Sandy Clay Loam	SC	A-6								
	8-60	Cemented	---	---	---	---	---	---	---	---	---	---
Sb:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
Sb: Settlemeier	In											
	0-16	Loam	CL	A-4	0	0	100	100	80-100	70-80	25-35	5-15
	16-36	Clay Loam	CL-ML	A-6								
		Silty Clay Loam	CL	A-6	0	0	100	100	80-100	75-85	35-40	15-20
	36-60	Stratified Very Gravelly Loamy Sand To Silty Clay Loam	CL	A-4	0	0-5	60-90	60-85	45-80	35-60	15-25	5-15
			CL-ML	A-6								
			GC									
			GC-GM									
Se: Settlemeier	0-16	Silt Loam	CL-ML	A-4	0	0	100	95-100	80-90	70-85	25-35	5-10
	16-60	Stratified Sandy Loam To Clay	ML									
			CL	A-6	0	0	100	95-100	75-90	60-80	25-40	10-20
Haplaquolls	---				---	---	---	---	---	---	---	---
SF: Settlemeier	0-22	Silt Loam	CL-ML	A-4	0	0	100	95-100	80-90	70-85	25-35	5-10
	22-60	Stratified Sandy Loam To Clay	ML									
			CL	A-6	0	0	100	95-100	75-90	60-80	25-40	10-20
Yobe	0-7	Silt Loam	CL	A-6	0	0	100	100	95-100	80-95	35-40	10-15
	7-60	Stratified Very Fine Sandy Loam To Silty Clay Loam	ML									
			CL	A-6	0	0	100	100	95-100	75-95	35-40	10-15
			ML									
Playas	---				---	---	---	---	---	---	---	---
SH:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
SH: Silverbow	In											
	0-6	Very Stony Fine Sandy	GM	A-1	5-15	5-25	40-55	35-50	25-45	15-30	20-25	NP-5
	6-12	Very Cobbly Clay Loam Very Stony Clay Loam Extremely Cobbly Sandy Clay Loam	GC	A-2 A-6	5-15	30-45	35-55	30-50	25-50	15-40	25-40	10-20
	12-28	Indurated	---	---	---	---	---	---	---	---	---	---
Rock Outcrop	---				---	---	---	---	---	---	---	---
SK: Slickens	0-10	Silt	ML	A-4	0	0	100	100	100	80-100	0-14	NP
	10-30	Very Fine Sandy Loam Silt Silt Loam	ML	A-4	0	0	100	100	100	70-100	0-14	NP
	30-60	Variable	---	---	---	---	---	---	---	---	---	---
SP: Spanel	0-6	Gravelly Loamy Sand	SM	A-1	0	5-10	75-90	60-75	35-50	10-20	0-14	NP
	6-14	Gravelly Sandy Clay Loam Loam Clay Loam	CL GC	A-6	0	0	65-100	60-95	55-85	40-65	30-35	10-15
	14-23	Indurated	---	---	---	---	---	---	---	---	---	---
	23-60	Very Gravelly Loamy Sand Very Gravelly Sand	GM GP-GM SM SP-SM	A-1	0	5-10	50-60	35-50	20-35	5-15	0-14	NP
Sr:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
Sr: Stargo	In											
	0-3	Gravelly Loamy Sand	GM SM	A-1 A-2	0	0	55-85	50-75	35-60	10-25	---	NP
	3-11	Sandy Clay Loam Clay Loam	CL	A-6 A-7	0	0	95-100	85-95	75-85	65-75	35-45	15-20
	11-60	Stratified Very Gravelly Sand To Sandy Loam	SM	A-1 A-2	0	0-5	80-90	75-85	45-60	20-35	---	NP
Ss: Stargo	0-5	Coarse Sandy Loam	SM	A-1 A-2	0	0	90-100	75-85	45-55	20-30	---	NP
	5-13	Sandy Clay Loam Clay Loam	CL	A-6 A-7	0	0	95-100	85-95	75-85	65-75	35-45	15-20
	13-60	Stratified Very Gravelly Sand To Sandy Loam	SM	A-1 A-2	0	0-5	80-90	75-85	45-60	20-35	---	NP
Playas	---				---	---	---	---	---	---	---	---
STC: Stumble	0-8	Loamy Fine Sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	8-60	Loamy Fine Sand Loamy Sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
SuA: Stumble	0-6	Fine Sandy Loam	SM	A-4	0	0-5	85-100	85-100	65-85	35-45	---	NP
	6-29	Loamy Sand Loamy Fine Sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
	29-50	Gravelly Loamy Sand Gravelly Loamy Fine Sand	SM	A-1 A-2	0	0-10	75-85	50-70	40-60	15-25	---	NP
Sw:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
Sw: Sundown	In											
	0-2	Fine Sand	SM	A-2	0	0	95-100	85-100	80-90	5-20	---	NP
	2-60	Loamy Fine Sand	SP-SM SM	A-3 A-2	0	0-5	95-100	85-100	70-85	15-30	---	NP
TC: Timblin	0-4	Very Cobbly Fine Sandy Loam	GC-GM GM SC-SM	A-2	0-5	35-60	60-70	55-65	50-60	25-35	15-30	NP-10
	4-15	Clay Loam	SM									
		Clay	CH	A-7	0-2	0-5	80-95	75-95	60-85	50-70	45-55	20-30
	15-36	Clay Loam	CL	A-6	0-2	0-5	80-95	75-95	60-75	50-65	35-50	15-25
				A-7								
	36-39	Loam	CL-ML ML SC-SM	A-4	0-2	0-5	80-95	75-95	55-70	40-55	15-30	NP-10
Mccann			SM									
	39-43	Cemented	---	---	---	---	---	---	---	---	---	---
	0-9	Extremely Stony Loam	GM	A-2	25-50	10-25	60-75	60-75	55-70	30-55	25-35	NP-10
	9-34	Extremely Cobbly Fine Sandy Loam	ML	A-4								
		Very Cobbly Loam	GM	A-1	0-10	40-55	40-55	35-50	30-45	15-35	25-35	NP-10
TdA:		Very Cobbly Fine Sandy Loam		A-2								
	34-60	Very Cobbly Fine Sandy Loam	GM	A-1	0-10	40-55	40-55	35-50	30-45	15-35	25-35	NP-10
		Extremely Cobbly Fine Sandy Loam		A-2								
		Very Cobbly Loam										

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
TdA: Timper	0-3	Sand	SM	A-1	0	0	100	100	30-50	5-15	---	NP
	3-10	Gravelly Fine Sandy Loam Sandy Loam	SP-SM GC-GM GM SC-SM SM	A-1 A-2	0	0	55-100	50-100	45-80	20-35	15-25	NP-10
	10-36	Cemented	---	---	---	---	---	---	---	---	---	---
	36-60	Stratified Very Gravelly Coarse Sand To Loam	GM GP-GM SM SP-SM	A-1	0	0-10	45-65	40-60	20-35	5-15	15-25	NP-5
TEB: Timper	0-3	Gravelly Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2	0	0	55-80	50-75	30-50	20-30	15-25	NP-10
	3-12	Gravelly Fine Sandy Loam Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2	0	0	55-100	50-100	45-80	20-35	15-25	NP-10
	12-15	Cemented	---	---	---	---	---	---	---	---	---	---
	15-60	Stratified Very Gravelly Coarse Sand To Loam	GM GP-GM SM SP-SM	A-1	0	0-10	45-65	40-60	20-35	5-15	15-25	NP-5
TF:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
TF: Timper	0-3	Gravelly Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2	0	0	55-80	50-75	30-50	20-30	15-25	NP-10
	3-10	Gravelly Fine Sandy Loam Sandy Loam	GC-GM GM SC-SM SM	A-1 A-2	0	0	55-100	50-100	45-80	20-35	15-25	NP-10
	10-36 36-60	Cemented Stratified Very Gravelly Coarse Sand To Loam	--- GM GP-GM SM SP-SM	--- A-1	--- 0	--- 0-10	--- 45-65	--- 40-60	--- 20-35	--- 5-15	--- 15-25	--- NP-5
Playas	0-6	Silty Clay Loam	ML	A-6 A-7	0	0	100	100	100	90-100	35-50	10-20
	6-60	Silty Clay Silty Clay Loam Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
TGE: Tipperary	0-6	Fine Sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
	6-60	Fine Sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
TH: Tipperary	0-6	Fine Sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
	6-60	Fine Sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
Fivemile	0-5	Loam	CL CL-ML	A-4 A-6	0	0	100	100	90-100	75-90	25-35	5-15
	5-60	Stratified Very Fine Sandy Loam To Silty Clay Loam	CL	A-6 A-7	0	0	95-100	90-100	90-100	85-95	30-45	15-30

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
TH:	In											
Playas	---				---	---	---	---	---	---	---	---
TM:												
Tipperary	0-6	Fine Sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
	6-60	Fine Sand	SM	A-2	0	0	100	100	75-90	15-30	---	NP
Playas	0-6	Silty Clay Loam	ML	A-6	0	0	100	100	100	90-100	35-50	10-20
	6-60	Silty Clay Loam Silty Clay Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
TN:												
Tomel	0-3	Very Gravelly Sandy Loam	GM	A-1	0	0	35-60	25-50	20-35	10-25	20-25	NP-5
	3-12	Very Gravelly Sandy Clay Loam	GC	A-2	0	0	40-60	35-50	30-40	20-35	30-35	10-15
	12-27	Very Gravelly Clay Loam	---	---	---	---	---	---	---	---	---	---
	27-60	Indurated Extremely Gravelly Sand Very Gravelly Sand	GP	A-1	0	0-5	20-40	15-35	10-20	0-5	---	NP
Laxal	0-10	Gravelly Loam	GM	A-2	0	0-5	60-70	50-60	40-50	25-40	20-30	NP-5
	10-60	Stratified Very Gravelly Loamy Coarse Sand To Very Gravelly Sandy Loam	GM	A-4 A-1	0-5	0-15	35-45	30-40	15-25	10-15	---	NP
TOB:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
TOB: Tybo	0-2	Loamy Fine Sand	SM	A-2	0	0-5	80-95	75-95	65-85	20-35	---	NP
	2-11	Very Fine Sandy Loam	SM	A-1	0	0-5	60-95	55-90	35-80	20-50	15-25	NP-5
		Gravelly Sandy Loam		A-2								
		Fine Sandy Loam		A-4								
	11-15	Indurated	---	---	---	---	---	---	---	---	---	---
TR: Tybo	0-2	Loamy Fine Sand	SM	A-2	0	0-5	80-95	75-95	65-85	20-35	---	NP
	2-11	Very Fine Sandy Loam	SM	A-1	0	0-5	60-95	55-90	35-80	20-50	15-25	NP-5
		Gravelly Sandy Loam		A-2								
		Fine Sandy Loam		A-4								
	11-15	Indurated	---	---	---	---	---	---	---	---	---	---
Bluewing	0-3	Stony Loamy Coarse Sand	GP-GM	A-1	1-5	5-10	30-40	25-35	15-25	5-10	---	NP
	3-60	Stratified Extremely Gravelly Coarse Sand To Gravelly Loamy Coarse Sand	GP GP-GM	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
TS: Tybo	0-2	Gravelly Fine Sandy Loam	GM SM	A-1 A-2	0	0-5	55-80	50-75	40-65	20-35	15-25	NP-5
	2-11	Gravelly Sandy Loam	SM	A-1	0	0-5	60-95	55-90	35-80	20-50	15-25	NP-5
		Fine Sandy Loam		A-2								
		Very Fine Sandy Loam		A-4								
	11-15	Indurated	---	---	---	---	---	---	---	---	---	---
Stumble	0-6	Loamy Fine Sand	SM	A-2	0	0-5	85-100	85-100	75-90	15-25	---	NP
	6-29	Loamy Fine Sand	SM	A-2	0	0-5	85-100	85-100	55-75	15-25	---	NP
		Loamy Sand										
	29-50	Gravelly Loamy Fine Sand	SM	A-1	0	0-10	75-85	50-70	40-60	15-25	---	NP
		Gravelly Loamy Sand		A-2								

UM:

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		Index
					Pct	Pct					Pct	
UM: Umberland	In											
	0-3	Clay Loam	CL	A-7	0	0	100	100	80-100	70-85	40-50	15-25
	3-60	Clay	CH	A-7	0	0	100	100	95-100	85-95	40-55	20-30
		Silty Clay Loam	CL									
UN: Parran		Silty Clay										
	0-18	Silty Clay Loam	CL	A-7	0	0	100	100	95-100	90-100	40-55	15-25
			MH									
			ML									
	18-60	Silty Clay Loam	MH	A-7	0	0	100	100	95-100	85-100	50-75	20-40
		Clay										
		Silty Clay										
Umberland	0-3	Clay Loam	CL	A-7	0	0	100	100	80-100	70-85	40-50	15-25
	3-60	Silty Clay Loam	CH	A-7	0	0	100	100	95-100	85-95	40-55	20-30
		Silty Clay	CL									
		Clay										
Playas	---				---	---	---	---	---	---	---	---
UR: Umberland	0-4	Sand	SM	A-2	0	0	100	100	50-70	5-15	0-14	NP
			SP-SM	A-3								
	4-60	Clay	CH	A-7	0	0	100	100	95-100	85-95	40-55	20-30
		Silty Clay Loam	CL									
Playas		Silty Clay										
	0-6	Silty Clay Loam	ML	A-6	0	0	100	100	100	90-100	35-50	10-20
				A-7								
	6-60	Silty Clay Loam	CH	A-7	0	0	100	100	100	90-100	45-75	20-40
		Silty Clay	CL									
		Clay	MH									

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
UR:	In											
Tipperary	0-6	Fine Sand	SM	A-2	0	0	100	100	75-90	20-30	0-14	NP
	6-46	Fine Sand	SM	A-2	0	0	100	100	75-90	20-30	0-14	NP
	46-60	Silty Clay Loam	CL	A-6	0	0	100	100	95-100	85-95	30-40	15-25
UT:												
Unsel	0-4	Gravelly Loam	SC	A-6	0	0	70-80	55-75	45-55	35-45	30-35	10-15
	4-10	Gravelly Sandy Clay Loam	SC	A-6	0	0	75-85	55-75	45-60	35-45	35-40	15-20
		Gravelly Clay Loam										
	10-31	Gravelly Sandy Loam	SC-SM	A-2	0	0	60-75	50-70	35-50	20-35	20-30	5-10
		Gravelly Sandy Clay Loam										
	31-60	Extremely Gravelly Sand	GP	A-1	0	0	40-50	20-35	10-25	0-10	---	NP
		Very Gravelly Loamy Sand	GP-GM									
		Very Gravelly Sand										
Bluewing	0-3	Stony Loamy Coarse Sand	GP-GM	A-1	1-5	5-10	30-40	25-35	15-25	5-10	---	NP
	3-60	Stratified Extremely Gravelly	GP	A-1	0-5	0-15	20-40	15-35	10-20	0-10	---	NP
		Coarse Sand To Gravelly Loamy Coarse Sand	GP-GM									
VGC:												
Vigus	0-7	Gravelly Loamy Sand	SM	A-1	0	0-5	65-80	60-75	30-55	10-25	---	NP
				A-2								
	7-13	Loam	SC	A-2	0	0-5	85-100	75-90	65-80	25-50	25-35	5-15
		Fine Sandy Loam	SC-SM	A-4								
		Sandy Clay Loam		A-6								
	13-60	Stratified Gravelly Loamy Sand To Sandy Loam	SM	A-1 A-2	0	0-10	70-85	60-80	35-55	15-30	15-25	NP-5
VK:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
VK: Vigus	0-7	Gravelly Fine Sandy Loam	SM	A-2	0	0-5	65-80	60-75	50-70	10-25	---	NP
	7-13	Fine Sandy Loam	SC	A-2	0	0-5	85-100	75-90	65-80	25-50	25-35	5-15
		Loam	SC-SM	A-4								
	13-60	Sandy Clay Loam Stratified Gravelly Loamy Sand To Sandy Loam	SM	A-6 A-1 A-2	0	0-10	70-85	60-80	35-55	15-30	15-25	NP-5
Koyen	0-3	Fine Sandy Loam	SM	A-4	0	0	90-100	85-100	75-90	35-50	15-25	NP-5
	3-17	Sandy Loam	SM	A-4	0	0	90-95	85-95	50-75	35-50	15-25	NP-5
	17-44	Stratified Gravelly Loamy Sand To Loam	SM	A-2 A-4	0	0	80-90	75-85	50-60	25-40	15-25	NP-5
	44-60	Very Gravelly Loamy Sand Gravelly Loamy Sand	GM GP-GM SM SP-SM	A-1	0	0	50-60	45-55	25-35	5-15	---	NP
VM: Vinini	0-3	Very Stony Fine Sandy	SM	A-4	5-15	0-5	90-100	85-100	65-80	35-50	15-25	NP-5
	3-8	Very Gravelly Clay Loam Extremely Gravelly Clay Loam	GC	A-2	0	0	20-50	15-40	15-35	10-30	35-45	15-20
	8-13	Very Cobbly Clay Loam Extremely Cobbly Clay Very Gravelly Clay Loam	GC	A-2	0-10	20-55	45-60	35-50	35-45	30-35	35-45	15-20
	13-30	Indurated	---	---	---	---	---	---	---	---	---	---
	30-34	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct					Pct	
VM: Mina	0-8	Extremely Stony Fine Sandy Loam	GC-GM GM SC-SM	A-2	25-50	10-30	60-75	55-70	45-60	25-35	20-30	NP-10
	8-60	Very Stony Fine Sandy Very Stony Clay Loam Very Stony Loam	SM GC GC-GM SC SC-SM	A-2 A-4 A-6	5-25	10-30	60-75	55-70	40-60	30-50	25-35	5-15
VN: Vinini	0-3	Very Stony Fine Sandy	SM	A-4	5-15	0-5	90-100	85-100	65-80	35-50	15-25	NP-5
	3-8	Extremely Gravelly Clay Loam	GC	A-2	0	0	20-50	15-40	15-35	10-30	35-45	15-20
	8-13	Very Gravelly Clay Loam Extremely Cobbly Clay Very Gravelly Clay Loam Very Cobbly Clay Loam	GC	A-2	0-10	20-55	45-60	35-50	35-45	30-35	35-45	15-20
	13-30	Indurated	---	---	---	---	---	---	---	---	---	---
	30-34	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
Nevoyer	0-4	Very Stony Fine Sandy	SC-SM	A-2 A-4	5-25	15-30	70-85	65-80	45-65	20-40	20-30	5-10
	4-11	Cobbly Fine Sandy Loam Gravelly Loam Cobbly Very Fine Sandy Loam	SC-SM	A-2 A-4	0-5	10-45	65-90	60-85	40-75	30-50	20-30	5-10
	11-18	Indurated	---	---	---	---	---	---	---	---	---	---
	18-22	Unweathered Bedrock	---	---	---	---	---	---	---	---	---	---
WA:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
WA: Wardenot	In											
	0-5	Gravelly Fine Sandy Loam	SM	A-1 A-2 A-4	0	0	60-80	50-75	40-60	20-40	20-25	NP-5
	5-60	Stratified Extremely Cobbly Loamy Sand To Very Gravelly Fine Sandy Loam	GM GP-GM	A-1	0-5	10-40	25-50	20-45	15-40	5-15	---	NP
WBB: Wrango	0-3	Gravelly Fine Sandy Loam	GM SM	A-2 A-4	0	0-5	60-80	55-75	45-60	25-40	---	NP
	3-10	Gravelly Fine Sandy Loam	GM SM	A-2	0	0-5	60-80	55-75	35-55	25-35	---	NP
	10-60	Extremely Gravelly Sand Extremely Gravelly Loamy Coarse Sand Extremely Gravelly Loamy Sand	GM GP GP-GM	A-1	0-5	5-40	25-40	15-30	5-20	0-15	---	NP
WDC: Wrango	0-3	Stony Fine Sandy Loam	SM	A-4	1-5	0-10	75-95	75-85	60-80	35-50	---	NP
	3-10	Gravelly Fine Sandy Loam	GM SM	A-2	0	0-5	60-80	55-75	35-55	25-35	---	NP
	10-60	Extremely Gravelly Loamy Sand Extremely Gravelly Sand Extremely Gravelly Loamy Coarse Sand	GM GP GP-GM	A-1	0-5	5-40	25-40	15-30	5-20	0-15	---	NP
YB: Yobe	0-7	Silt Loam	CL ML	A-6	0	0	100	100	95-100	80-95	35-40	10-15
	7-60	Stratified Very Fine Sandy Loam To Silty Clay Loam	CL ML	A-6	0	0	100	100	95-100	75-95	35-40	10-15

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches Pct	3-10 Inches Pct	4	10	40	200		
YB:												
Haplaquolls	---				---	---	---	---	---	---	---	---
Playas	---				---	---	---	---	---	---	---	---
YC:												
Yobe	0-7	Silt Loam	CL	A-6	0	0	100	100	95-100	80-95	35-40	10-15
	7-60	Stratified Very Fine Sandy Loam To Silty Clay Loam	ML CL ML	A-6	0	0	100	100	95-100	75-95	35-40	10-15
Tipperary	0-2	Fine Sand	SM	A-2	0	0	100	100	75-90	20-30	0-14	NP
	2-46	Fine Sand	SM	A-2	0	0	100	100	75-90	20-30	0-14	NP
	46-60	Silty Clay Loam	CL	A-6	0	0	100	100	95-100	85-95	30-40	15-25
YD:												
Yobe	0-7	Silt Loam	CL	A-6	0	0	100	100	95-100	80-95	35-40	10-15
	7-60	Stratified Very Fine Sandy Loam To Silty Clay Loam	ML CL ML	A-6	0	0	100	100	95-100	75-95	35-40	10-15
Umlerland	0-3	Clay Loam	CL	A-7	0	0	100	100	80-100	70-85	40-50	15-25
	3-60	Clay Silty Clay Loam Silty Clay	CH CL CL	A-7	0	0	100	100	95-100	85-95	40-55	20-30
Haplaquolls	---				---	---	---	---	---	---	---	---
Ym:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
Ym: Yomba	In											
	0-4	Gravelly Sand	SM SP-SM	A-1	0	0	55-80	50-75	35-50	5-15	---	NP
	4-14	Fine Sandy Loam Sandy Loam Loam	SC-SM	A-4	0	0	80-100	75-100	70-85	35-50	20-30	5-10
	14-20	Gravelly Coarse Sandy Very Gravelly Sandy Loam Very Gravelly Coarse Sandy Loam	GM	A-1	0	0-10	40-60	35-55	20-30	10-20	15-25	NP-5
	20-60	Very Gravelly Sand Extremely Gravelly Sand	GP	A-1	0	0-15	25-40	20-35	10-20	0-5	---	NP
Yn: Yomba	0-4	Gravelly Fine Sandy Loam	GM SM	A-2	0	0	55-80	50-75	50-65	20-30	15-25	NP-5
	4-14	Fine Sandy Loam Loam Sandy Loam	SC-SM	A-4	0	0	80-100	75-100	70-85	35-50	20-30	5-10
	14-20	Very Gravelly Sandy Loam Very Gravelly Coarse Sandy Loam	GM	A-1	0	0-10	40-60	35-55	20-30	10-20	15-25	NP-5
	20-60	Gravelly Coarse Sandy Extremely Gravelly Sand Very Gravelly Sand	GP	A-1	0	0-15	25-40	20-35	10-20	0-5	---	NP
YO:												

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit Pct	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
					Pct	Pct						
YO: Yomba	In											
	0-4	Gravelly Sand	SM SP-SM	A-1	0	0	55-80	50-75	35-50	5-15	---	NP
	4-14	Fine Sandy Loam Sandy Loam Loam	SC-SM	A-4	0	0	80-100	75-100	70-85	35-50	20-30	5-10
	14-20	Very Gravelly Sandy Loam Very Gravelly Coarse Sandy Loam	GM	A-1	0	0-10	40-60	35-55	20-30	10-20	15-25	NP-5
Playas	20-60	Gravelly Coarse Sandy Very Gravelly Sand Extremely Gravelly Sand	GP	A-1	0	0-15	25-40	20-35	10-20	0-5	---	NP
	0-6	Silty Clay Loam	ML	A-6 A-7	0	0	100	100	100	90-100	35-50	10-20
	6-60	Clay Silty Clay Loam Silty Clay	CH CL MH	A-7	0	0	100	100	100	90-100	45-75	20-40
Yp: Youngston	0-3	Loamy Sand	SC SC-SM	A-2 A-4	0	0	95-100	95-100	70-80	30-50	0-25	NP-10
	3-60	Stratified Very Fine Sandy Loam To Silty Clay Loam	SM CL	A-6	0	0	100	100	95-100	70-85	35-40	15-20
Playas	---				---	---	---	---	---	---	---	---
Yr: Youngston	0-3	Fine Sandy Loam	SC SC-SM	A-2 A-4	0	0	95-100	95-100	70-80	30-50	0-25	NP-10
	3-60	Stratified Very Fine Sandy Loam To Silty Clay Loam	SM CL	A-6	0	0	100	100	95-100	70-85	35-40	15-20

Distribution Generation Date:

Table H. - Engineering Index Properties - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
Yr:												
Ys:												
Youngston	0-3	Silt Loam	CL	A-4	0	0	95-100	95-100	75-95	60-80	25-35	5-15
	3-60	Stratified Very Fine Sandy Loam To Silty Clay Loam	CL-ML CL	A-6 A-6	0	0	100	100	95-100	70-85	35-40	15-20
Playas	---				---	---	---	---	---	---	---	---
ZN:												
Zaba	0-4	Very Gravelly Loam	GM	A-1 A-2	0	0-5	40-60	30-50	25-45	20-30	15-25	NP-5
	4-21	Stratified Very Gravelly Loamy Coarse Sand To Very Gravelly Sandy Clay	GM GP-GM SM	A-1	0	0-5	35-60	25-50	10-30	5-15	15-25	NP-5
	21-60	Very Gravelly Sand Extremely Gravelly Coarse Sand Extremely Gravelly Sand	SP-SM GP GP-GM	A-1	0	0-5	20-50	10-45	5-15	0-10	---	NP
Nyserva	0-2	Loam	ML	A-4	0	0	100	100	75-95	60-80	20-25	NP-5
	2-7	Loam Clay Loam	CL	A-6	0	0	100	100	65-80	55-70	25-35	10-15
	7-60	Stratified Gravelly Sand To Clay Loam	CL-ML SC-SM	A-4	0	0	75-100	70-100	65-85	35-55	20-30	5-10